

SERIAL NO. 09/692,655
ATTY REF NO. GSMITH.002A
UNOFFICIAL PROPOSED AMENDMENTS

WHAT IS CLAIMED IS:

1. An apparatus (adapted for use with roof tiles and a roofing surface) comprising a support element configured to occupy the a space between roof tiles and a roofing surface thereby providing support for the roof tiles, wherein the roof tiles are constructed such that they may be used without a support element.

*doesn't further limit
the apparatus
further limiting functional
language*

2. The apparatus of Claim 1, wherein said support element is configured in the shape of a wedge.

3. The apparatus of Claim 2, wherein said support element has a triangular cross-section.

4. The apparatus of Claim 2, wherein said support element has a quadrilateral cross-section.

5. The apparatus of Claim 1, wherein said support element is made of expanded polystyrene.

6. The apparatus of Claim 1, wherein said support element includes at least one groove formed in its bottom surface.

7. The apparatus of Claim 2, further comprising arch sections.

8. A roof tile support system, comprising:

a roofing surface;

one or more roof tiles; and

one or more independent support elements positioned between and in contact with said roofing surface and said roof tiles, wherein said support elements support said roof tiles so as to increase the load capacities of said roof tiles, and wherein each roof tile is configured to be used without a support element.

*capable
of
either
or?*

9. The roof tile support system of Claim 8, wherein said support element is ~~removable roofing surface comprises a roof deck.~~

10. The roof tile support system of Claim 8, wherein said roofing surface comprises a roof deck with battens.

11. The roof tile support system of Claim 8, wherein said roof tiles are made of lightweight concrete.

SERIAL NO. 09/692,655

ATTY REF NO. GSMITH.002A

UNOFFICIAL PROPOSED AMENDMENTS

12. The roof tile support system of Claim 8, wherein said support elements are separate pieces from said roof tiles and said roofing surface.

13. The roof tile support system of Claim 8, wherein each of said support elements supports a plurality of roof tiles.

14. The roof tile support system of Claim 8, wherein said support elements have a large surface area for contacting a substantial portion of the area under said roof tiles.

15. The roof tile support system of Claim 8, wherein said support elements are wedge-shaped.

16. The roof tile support system of Claim 15, wherein said support elements have arch sections, and said roof tiles are barrel roof tiles.

17. The roof tile support system of Claim 15, wherein said support elements have a triangular cross-section.

18. The roof tile support system of Claim 15, wherein said support elements have a quadrilateral cross-section.

19. The roof tile support system of Claim 8, wherein said support elements are made of expanded polystyrene.

20. The roof tile support system of Claim 8, wherein said roof tiles are arranged in rows and a first row is supported by said support elements such that the roof tiles of the first row are elevated some distance above a second adjacent row of said roof tiles.

21. The roof tile support system of Claim 8, wherein said roof tiles are supported by said support elements such that the weight of said tiles, or a concentrated load on said tiles, will be distributed over said support elements and said roofing surface.

22. The roof tile support system of Claim 8, wherein said roof tiles are arranged in rows and a first row is supported by said support elements such that the weight of said tiles, or a concentrated load on said tiles, will be distributed over said support elements, said roofing surface and a second row of roof tiles.

23. A method of installing roof tile supports, comprising:

first, placing a support element on a roofing surface;

then, placing a roof tile on ~~over~~ said support element such that said roof tile is substantially supported by the support element; and

finally, securing said roof tile to said roofing surface.

very broad

Further examination of the above is deemed to be necessary.

SERIAL NO. 09/692,655

ATTY REF NO. GSMITH.002A

UNOFFICIAL PROPOSED AMENDMENTS

24. The method of installing roof tile supports of Claim 23, wherein said roofing surface comprises a roof deck.

25. The method of installing roof tile supports of Claim 23, wherein said roofing surface comprises a roof deck with battens.

26. The method of installing roof tile supports of Claim 23, wherein said roof tile is placed in contact only with said support element.

27. The method of installing roof tile supports of Claim 23, wherein said roof tile is placed in contact with both said roofing surface and said support element.

28. The method of installing roof tile supports of Claim 23, further including a second roof tile, wherein said first roof tile is placed in contact with said roofing surface, said support element, and said second roof tile.

29. The method of installing roof tile supports of Claim 23, wherein securing said roof tile to said roofing surface comprises driving a nail through said roof tile into said roofing surface.

30. The method of installing roof tile supports of Claim 29, wherein said roofing nail also passes through a portion of said support element.

31. The method of installing roof tile supports of Claim 23, further including a second support element, wherein said second support element is positioned to the side of said first support element so as to leave a gap between the two elements.